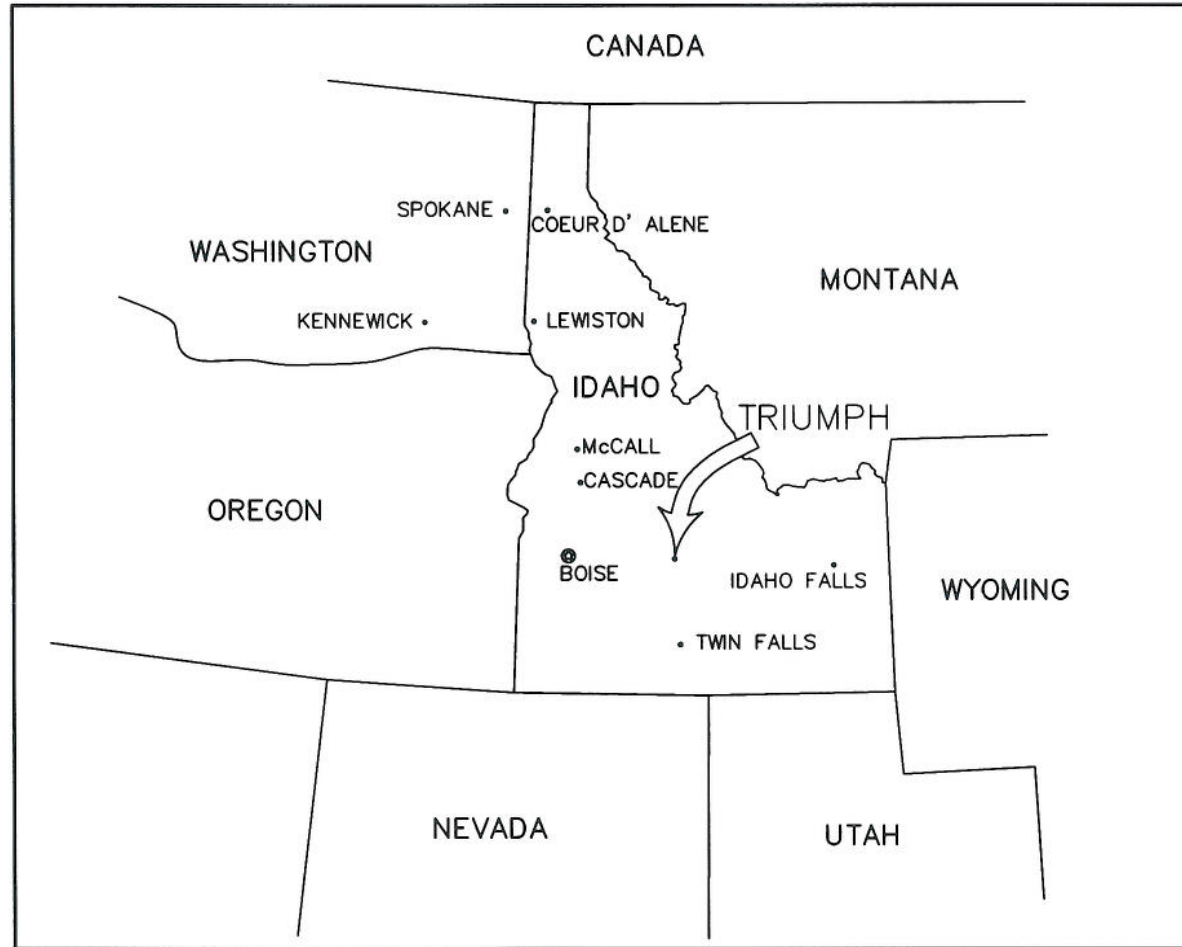
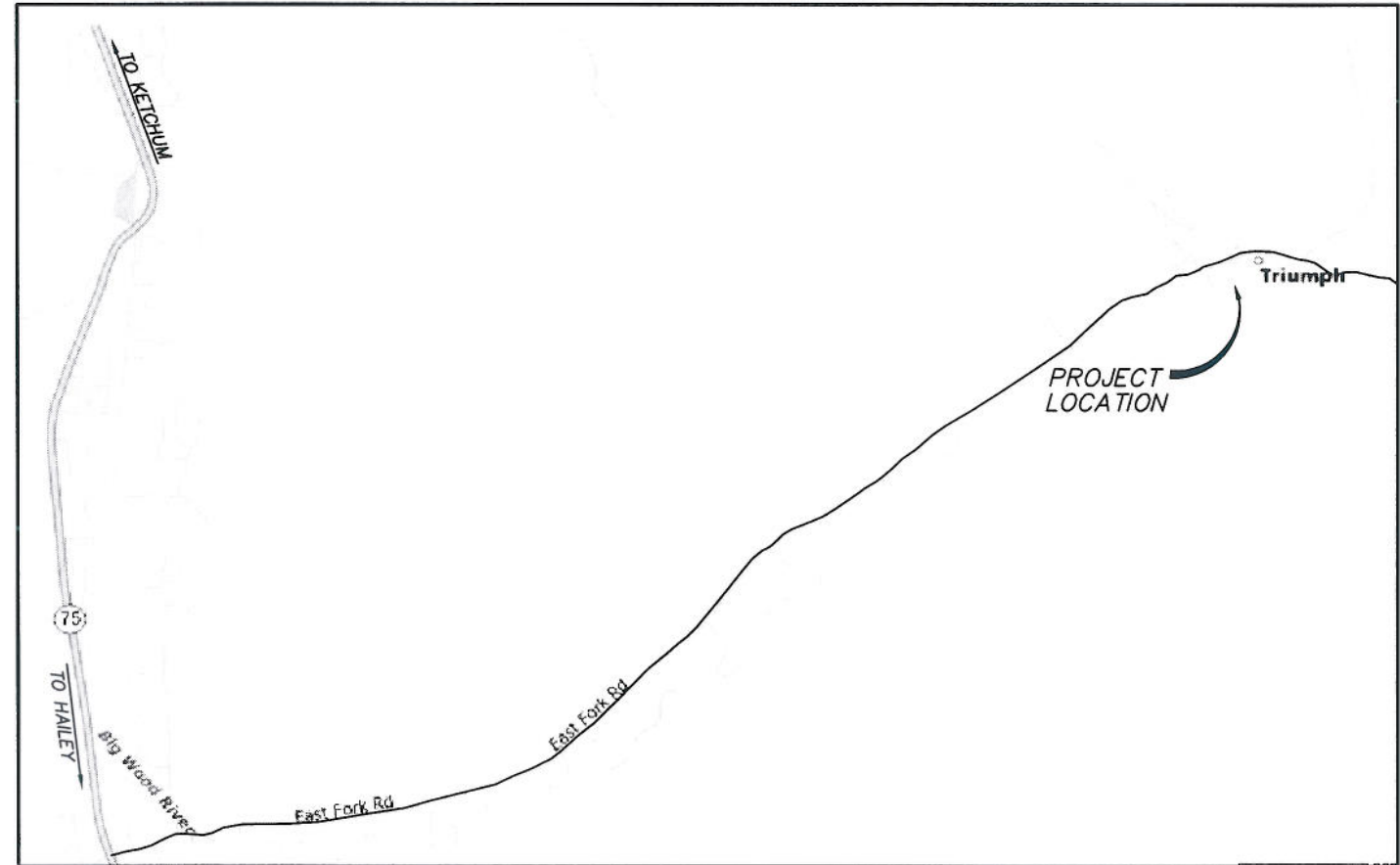


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Xref File name: | TRIBASE4 | 723-TITLE BLOCK |



LOCATION MAP
NOT TO SCALE



VICINITY MAP
SCALE: 1" = 2000'

SHEET INDEX

- | | |
|-----|-----------------------|
| G-1 | COVER SHEET |
| C-1 | PLAN AND PROFILE |
| C-2 | MISCELLANEOUS DETAILS |



WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN SCALE
ACCORDINGLY

DISCHARGE SITE RELOCATION TRIUMPH MINE SITE COVER SHEET

ENGINEER
ROBERT HARDGROVE
300 EAST MALLARD DRIVE, SUITE 350
BOISE, IDAHO 83706
PHONE: 208-383-4140



DRAWN BY:	S. CRANE
CHECKED BY:	R. HARDGROVE
SCALE:	AS NOTED
PLOT SCALE:	1" = 1'

DRAWING DIRECTORY

ITEM	REVISIONS
1	ISSUED FOR REVIEW
2	ISSUED FOR BID/CONSTRUCTION

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DESIGN CRITERIA/ASSUMPTIONS:

1. PER IDAHO DEPARTMENT OF LANDS (IDL), THE AVERAGE FLOW IN THE EXISTING 10" HDPE DISCHARGE IS 5 TO 10 GALLONS PER MINUTE.
2. THE EXISTING PIPELINE DISCHARGES ONTO PRIVATE PROPERTY. THIS SCOPE OF WORK WILL RELOCATE THE DISCHARGE POINT TO IDL PROPERTY AND PREVENT ANY DISCHARGE FROM FLOWING BACK TO THE PRIVATE PROPERTY.
3. A GEOTECHNICAL INVESTIGATION WAS NOT PERFORMED FOR THIS SCOPE OF WORK, PER IDL, THE DISCHARGE WATER MAY POOL UP, BUT IT HAS HISTORICALLY PERCOLATED AND/OR EVAPORATED AT A RATE SUFFICIENT TO PREVENT RUNOFF.
4. THE ORIGINAL TRIUMPH MINE RECLAMATION DESIGN, WITH REVISIONS DATED BETWEEN AUGUST 1998 AND JANUARY 2000, WAS USED AS THE BASIS FOR THESE CONSTRUCTION DOCUMENTS. THESE DOCUMENTS ARE INTENDED TO COMPLIMENT THE WORK THAT WAS PREVIOUSLY DESIGNED AND CONSTRUCTED. PER IDL, THE EXISTING IMPROVEMENTS HAVE BEEN FUNCTIONING WELL AND THERE ARE NO KNOWN ISSUES ASSOCIATED WITH THEM.

GENERAL NOTES:

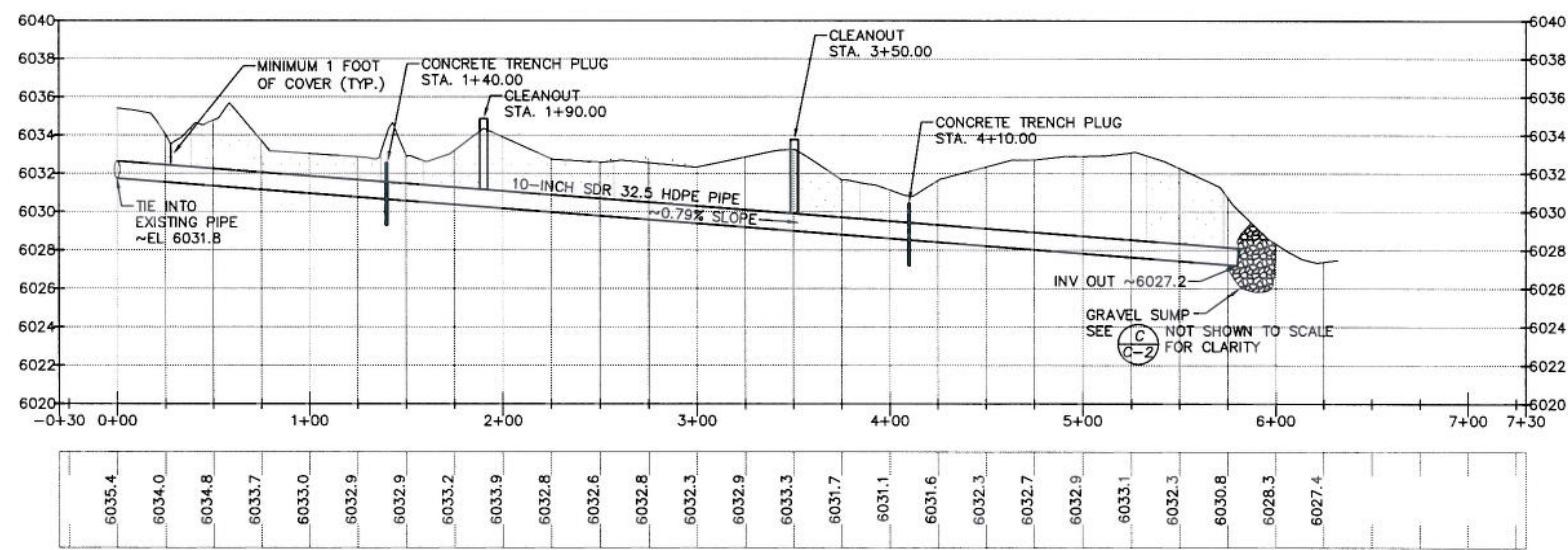
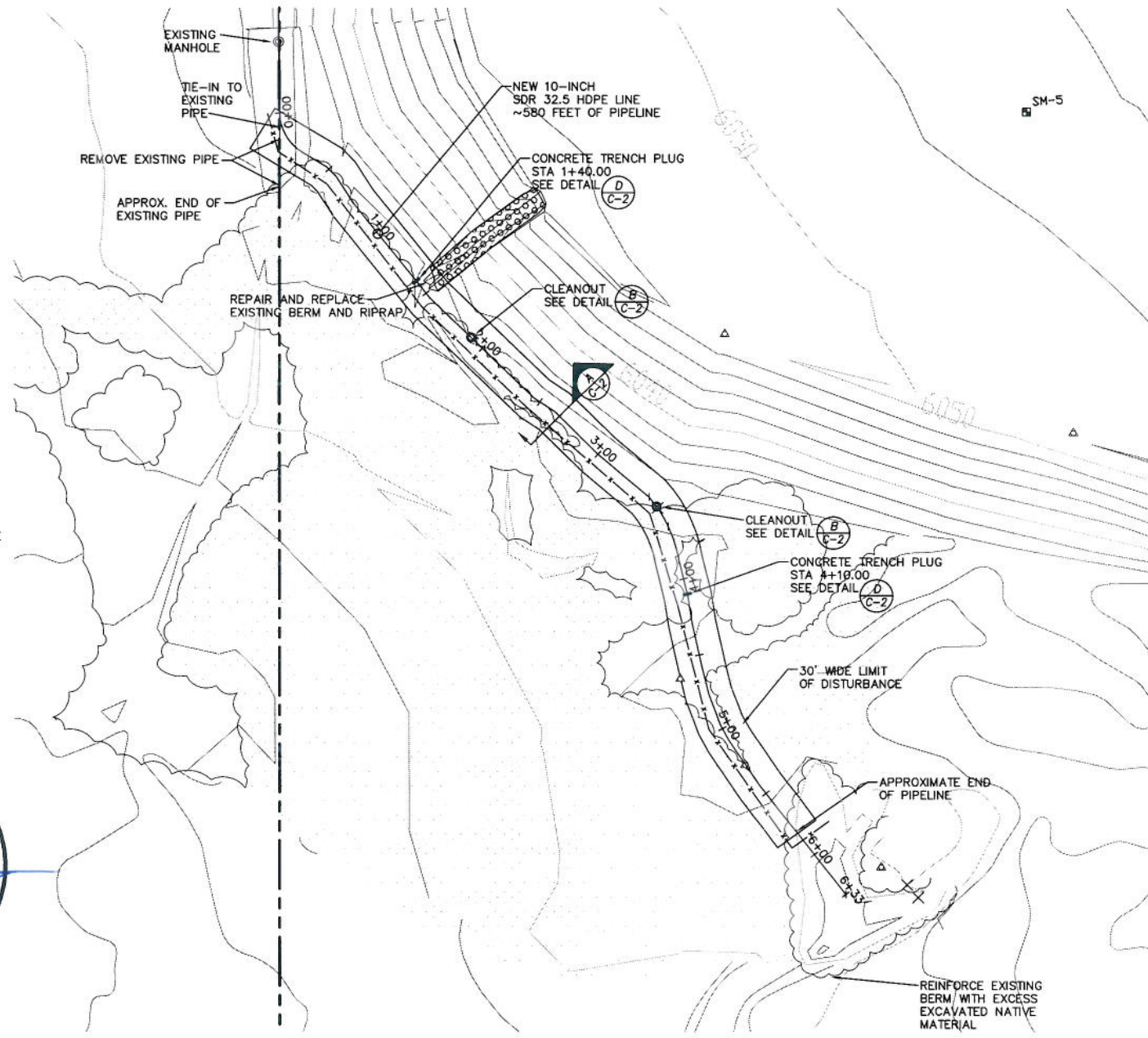
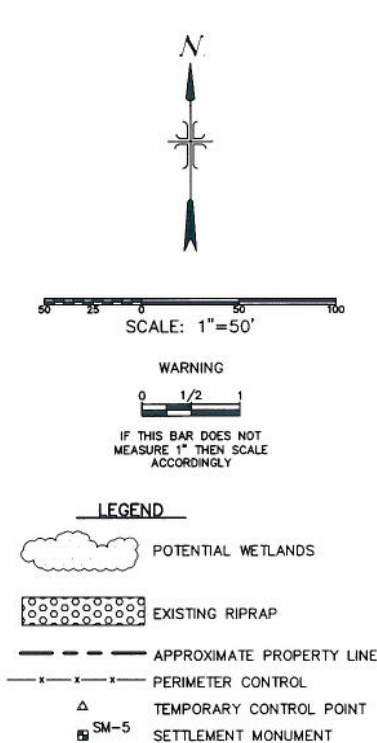
1. ALL WORK SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
2. THE ELEVATIONS ON THE DRAWINGS ARE BASED ON THE ORIGINAL CONSTRUCTION DRAWINGS COMPLETED IN 1998. ADDITIONAL TOPOGRAPHIC SURVEY WAS COMPLETED TO COMPLIMENT THE ORIGINAL INFORMATION. 3.7 FEET CAN BE ADDED TO THE ELEVATIONS SHOWN ON THESE DRAWINGS TO CONVERT TO NAVD88. THE OWNER, ENGINEER, AND SURVEYOR MAKE NO WARRANTY AS TO ACCURACY.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BACKFILLING THE PIPELINE, SO THE NEW PIPELINE CAN BE SURVEYED. AT A MINIMUM THE TIE-IN POINT, THE DISCHARGE POINT, AND THE TOP OF PIPE AT 100' INTERVALS SHALL BE ACCESSIBLE TO THE SURVEYOR.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS, OTHER SURVEY MARKERS, STREET SIGNS, UTILITIES, PAVEMENT, TREES, FENCES, AND ANY OTHER IMPORTANT OBJECTS ON OR ADJACENT TO THE JOB SITE AS DETERMINED BY THE OWNER OR ENGINEER.
5. ACCESS TO THE SITE OF CONSTRUCTION WILL BE PER THE DIRECTION OF THE OWNER. IF ACCESS IS GRANTED OVER THE LOWER TAILINGS PILE (LTP), WEIGHT AND OTHER LIMITATIONS MAY APPLY AS TO NOT DAMAGE THE LTP CAP. ALL EXISTING STRUCTURES AND MONUMENTS ON THE LTP WILL BE IDENTIFIED BY THE CONTRACTOR AND WILL BE RETAINED AND PROTECTED.
6. THE OWNER HAS RECEIVED A SECTION 404 PERMIT FROM THE U.S. ARMY CORP OF ENGINEERS AUTHORIZING THE WORK. THE CONTRACTOR SHALL COMPLY WITH ALL OF THE CONDITIONS ASSOCIATED WITH THE 404 PERMIT. THE CONTRACTOR IS TO MINIMIZE THE NECESSARY DISTURBANCE TO A MAXIMUM WIDTH OF 30' ALONG THE PIPELINE ALIGNMENT. THE LIMITS OF DISTURBANCE SHALL BE OFFSET FROM CENTERLINE, AWAY FROM POTENTIAL WETLAND AREAS, TO MINIMIZE THE DISTURBANCE OF THE POTENTIAL WETLAND VEGETATION.
7. IF DISPERSED TAILINGS ARE EXCAVATED THEY MUST BE PLACED IN THE DESIGNATED DISPOSAL AREA SOUTH OF THE TRIUMPH COMMUNITY. ACCEPTABLE EXCESS SOILS CAN BE PLACED IN DESIGNATED AREAS ON OWNERS PROPERTY AS DETERMINED BY THE OWNERS. ALL UNACCEPTABLE EXCESS MATERIALS WILL BE LEGALLY DISPOSED OF OFF-SITE.
8. CONTRACTOR SHALL FURNISH AND INSTALL EVERYTHING REQUIRED TO PROVIDE COMPLETE AND OPERABLE FACILITIES AS SHOWN HEREON. IF THERE IS AN OMISSION ON THE PLANS, SUCH OMISSION SHALL NOT BE CONSTRUED TO MEAN THAT THE CONTRACTOR IS NOT REQUIRED TO FURNISH OR PROVIDE EVERYTHING THAT IS NECESSARY TO PROVIDE COMPLETE AND OPERABLE FACILITIES.
9. ANY CHANGES TO THE DESIGN AS SHOWN IN THESE CONSTRUCTION DRAWINGS MUST BE REVIEWED AND APPROVED BY THE ENGINEER BEFORE CHANGES ARE MADE. THIS INCLUDES CHANGES REQUESTED BY THE OWNER AND SUBCONTRACTORS.
10. ALL OR EQUAL ITEMS ARE SUBJECT TO REVIEW AND APPROVAL OF THE ENGINEER.
11. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UTILITIES. HOWEVER, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES, OR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
12. CONTRACTOR SHALL PROVIDE, MAINTAIN, AND BE RESPONSIBLE FOR TRAFFIC CONTROL PERSONNEL AND DEVICES PER THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) TO MAINTAIN THE LOCAL VEHICULAR AND PEDESTRIAN TRAFFIC ADJACENT TO THE PROJECT SITE. PEDESTRIAN ACCESS, LOCAL VEHICULAR ACCESS, AND EMERGENCY VEHICLE ACCESS SHOULD BE MAINTAINED AT ALL TIMES.
13. CONTRACTOR SHALL PROVIDE, MAINTAIN, AND BE RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL STRUCTURES AND PRACTICES AND MEET THE REQUIREMENTS OF ANY AGENCY HAVING JURISDICTION.
14. UPON THE COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT A SET OF RED-LINED RECORD DRAWINGS TO THE ENGINEER.

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL EXPOSE THE EXISTING PIPELINE AT THE TIE-IN POINT TO VERIFY THE SDR RATING OF THE HDPE PIPE AND ITS ACTUAL ELEVATION. THE CONTRACTOR IS TO ORDER THE SAME PIPE AS WHAT EXISTS. THE CONTRACTOR IS TO ADJUST THE GRADE OF THE NEW PIPE IF THE EXISTING ELEVATION IS DIFFERENT THAN WHAT IS SHOWN ON THE PLANS AND/OR TO MAINTAIN A MINIMUM OF ONE FOOT OF COVER OVER THE PIPE THROUGHOUT THE ALIGNMENT. THE PIPELINE SHOULD HAVE A CONSTANT GRADE. ENGINEER SHALL REVIEW AND APPROVE ANY CHANGES.
2. CONTRACTOR SHALL UNCOVER A SUFFICIENT LENGTH OF THE EXISTING PIPE TO CREATE A LONG RADIUS ON BOTH SIDES OF THE TIE-IN AND PROVIDE ENOUGH ROOM FOR THE FUSING MACHINE WHEN MAKING THE TIE-IN. THIS RADIUS AND ALL OTHERS SHALL NOT BE SMALLER THAN 30 FEET.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND SUPPLY ALL LABOR AND MATERIAL REQUIRED TO ISOLATE THE WATER SUPPLIES TO THE EXISTING DISCHARGE LINE. THE LINE IS CURRENTLY FED FROM THE SURGE POND AND PERMANENT POND OUTLETS. THE LINE WILL NEED TO BE DRY TO PROPERLY CONNECT THE NEW LINE TO THE EXISTING LINE WITH A BUTT FUSED CONNECTION.
4. SUFFICIENT DIRECTION WILL BE SUPPLIED BY THE ENGINEER OR SURVEYOR TO PROVIDE THE CONTRACTOR WITH ENOUGH INFORMATION TO LAYOUT THE APPROPRIATE PIPE ALIGNMENT. ONCE CONTRACTOR IDENTIFIES THE ALIGNMENT, THE FINAL LENGTH OF PIPE SHALL BE VERIFIED PRIOR TO ORDERING.
5. CONTRACTOR SHALL USE AND PLACE BEDDING (SAND) PER TYPICAL TRENCH DETAIL AND THE PROJECT SPECIFICATIONS.
6. CONTRACTOR SHALL USE BACKFILL AND COMPACTION PRACTICES PER THE PROJECT SPECIFICATIONS. CONTRACTOR TO ENSURE NO ROCKS ARE IN DIRECT CONTACT WITH PIPE.
7. CONTRACTOR SHALL STRIP THE TOPSOIL AND VEGETATION AND SEPARATE IT FROM THE SUBSOIL MATERIAL. THE TOPSOIL MATERIAL SHALL BE REPLACED AFTER THE PIPELINE AND NON-ORGANIC BACKFILL IS INSTALLED.
8. CONTRACTOR SHALL RETURN ALL DISTURBED AREAS TO THEIR PRE-CONSTRUCTION GRADES.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REQUIRED PIPELINE TESTING. ALL TESTING SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS PRIOR TO CONDUCTING TESTING. THE ENGINEER OR DESIGNATED REPRESENTATIVE WILL BE PRESENT FOR THE TESTING.

EROSION AND SEDIMENT CONTROL (ESC)

1. CONTRACTOR SHALL PROVIDE, MAINTAIN, AND BE RESPONSIBLE FOR ALL ESC STRUCTURES, PRACTICES, AND PLANS TO MEET ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR WATER QUALITY AND EROSION AND SEDIMENT CONTROL. THE FOLLOWING BMPs AND PRACTICES ARE SUGGESTED, BUT ALTERNATE BMPs AND PRACTICES MAY BE APPROPRIATE AND SHOULD BE NOTED ON THE CONTRACTOR'S ESC PLAN.
2. CONTRACTOR SHALL UTILIZE ESC BEST MANAGEMENT PRACTICES (BMPs) PER THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY CATALOG OF STORMWATER BMPs FOR IDAHO CITIES AND COUNTIES IN CONJUNCTION WITH ANY LOCAL AMENDMENTS OR REQUIREMENTS. THE BMP'S REFERENCED ARE INCLUDED AS APPENDIX "A" IN THE TECHNICAL SPECIFICATIONS.
3. CONTRACTOR TO PRESERVE EXISTING VEGETATION AND MINIMIZE THE AREAS DISTURBED BY CONSTRUCTION ACTIVITY (REFERENCE BMPs 3 & 4). THE EXISTING VEGETATION ALONG THE PIPELINE INSTALLATION WILL ACT AS A VEGETATIVE BUFFER STRIP (REFERENCE BMP 37).
4. THE CONTRACTOR SHALL PLACE PERIMETER CONTROL ALONG THE DOWN GRADIENT SIDE OF THE PIPELINE INSTALLATION AND AS CLOSE TO TRENCH AS FEASIBLE. (REFERENCE BMPs 35 & 36).
5. STREET SWEEPING ON EAST FORK ROAD SHALL BE CONDUCTED AT DAILY INTERVALS OR MORE FREQUENTLY AS NECESSARY TO KEEP PAVED SURFACES CLEAN WHERE CONSTRUCTION ACTIVITY HAS LEFT SEDIMENT.
6. CONTRACTOR SHALL IMPLEMENT CONTINUOUS DUST CONTROL MEASURES DURING DRY OR WINDY WEATHER (REFERENCE BMP 7). CONTRACTOR SHALL IDENTIFY SOURCE(S) OF WATER FOR DUST CONTROL AND SHALL OBTAIN ALL NECESSARY PERMITS.
7. ANY DEWATERING SHOULD MEET ALL APPLICABLE REQUIREMENTS AND DEWATERING FLOWS SHALL NOT BE DISCHARGED INTO THE EAST FORK WOOD RIVER OR ITS TRIBUTARIES WITHOUT THE CONTRACTOR OBTAINING THE APPROPRIATE APPROVALS AND PERMITS (REFERENCE BMP 46).
8. ANY DISTURBED AREAS DUE TO CONSTRUCTION ACTIVITY WILL BE HYDRO-SEEDED WITH THE APPLICABLE SEED MIX, AS APPROVED BY THE ENGINEER AND OWNER (REFERENCE BMPs 16 & 21).



Profile View of Pipeline
Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 5'

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DISCHARGE SITE RELOCATION TRIUMPH MINE SITE PLAN AND PROFILE

OWNER
IDAHO DEPARTMENT OF LANDS
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208-334-0200

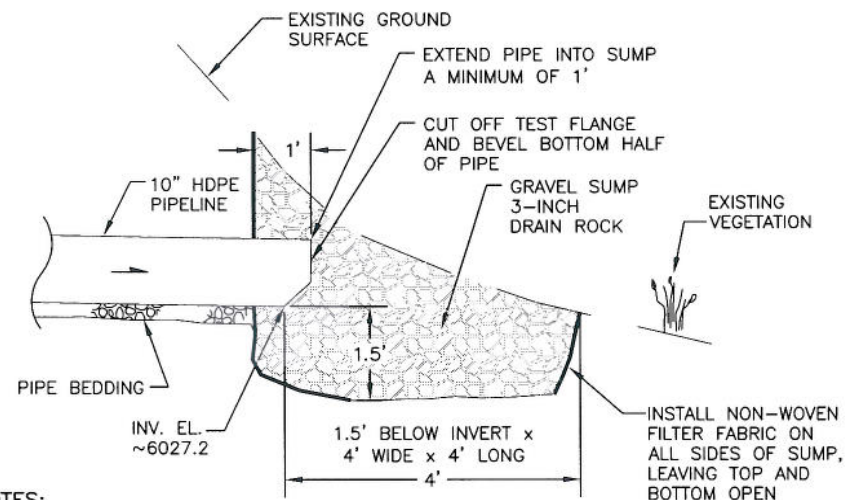
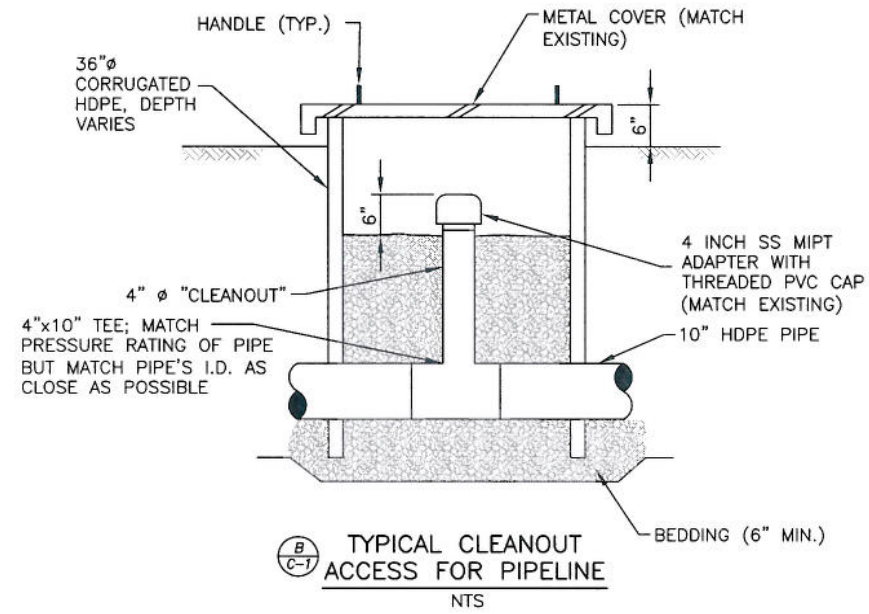
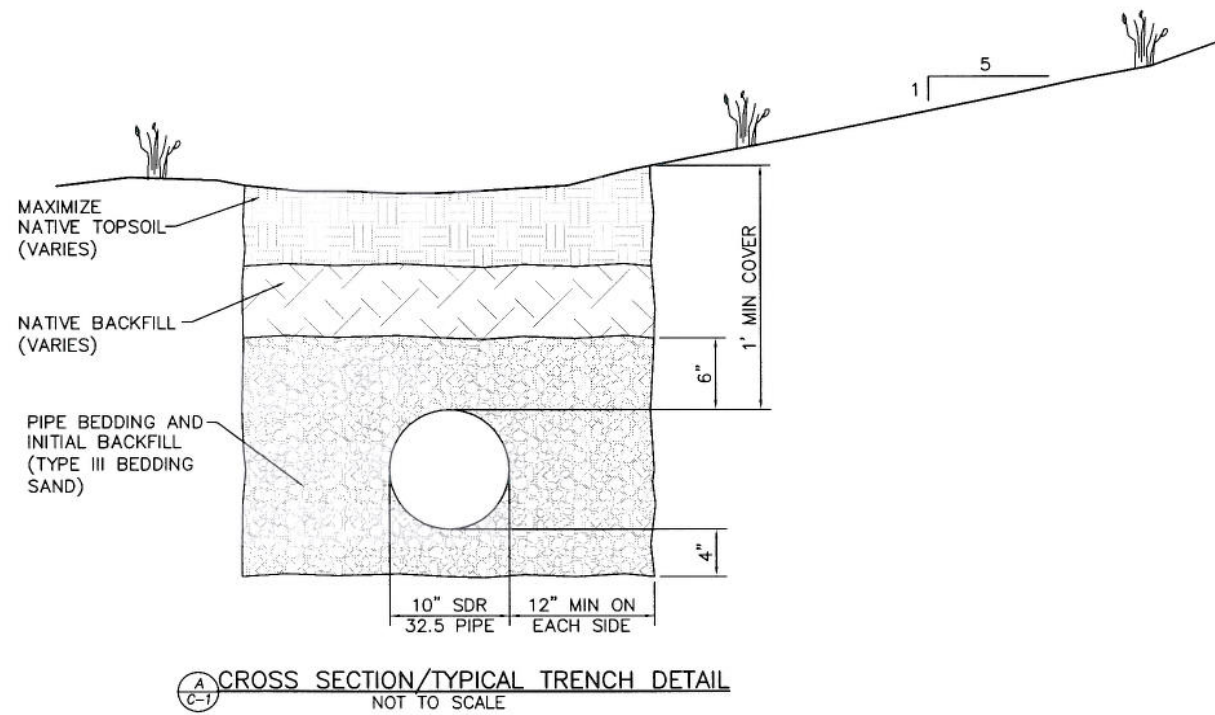
ENGINEER
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300 EAST MALLARD DRIVE, SUITE 350
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PHONE: 208-383-4140



DRAWN BY: S. CRANE
CHECKED BY: R. HARDGROVE
SCALE: AS NOTED
PLOT SCALE: 1"=1'

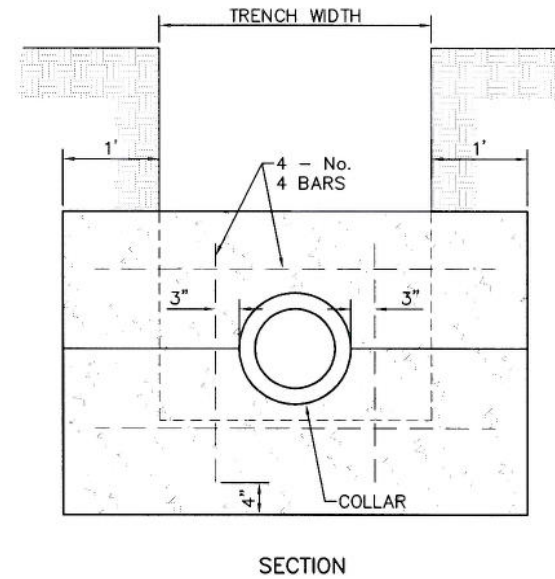
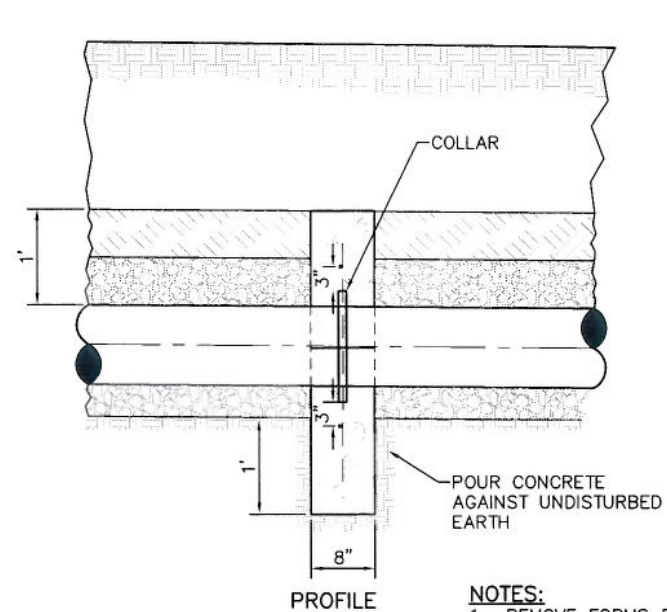
ITEM	REVISIONS	DATE
1	ISSUED FOR REVIEW	8/15/08
2	ISSUED FOR BID/CONSTRUCTION	8/20/08

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Xref File Name: | TRIBASE4 | 723-TITLE BLOCK |



NOTES:

1. CONTRACTOR TO FUSE ON A TEMPORARY HDPE FLANGE ADAPTOR WITH BLIND FLANGE FOR THE HYDRO TEST.
2. CONTRACTOR TO PRESSURE TEST PRIOR TO PLACING GRAVEL IN SUMP.



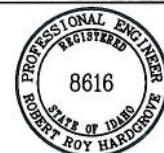
NOTES:

1. REMOVE FORMS BEFORE BACKFILLING.
2. MINIMUM CONCRETE STRENGTH 2500 psi.

CONCRETE TRENCH PLUG
NOT TO SCALE

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN SCALE ACCORDINGLY

**DISCHARGE SITE RELOCATION
TRIUMPH MINE SITE
MISCELLANEOUS DETAILS**



DRAWN BY: S. CRANE
CHECKED BY: R. HARDGROVE
SCALE: AS NOTED
PLOT SCALE: 1"=1'

DRAWING DIRECTORY

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